[redacted]

STATINTL

Attached are six drawings, numbered one through six. These drawings and the outlined procedures have to be approved by the customer. I do not have the facility to duplicate these drawings, therefore would you copy and return the original to this office?

STATINTL

I would ask [redacted] to review and evaluate the said procedures. This office will not estimate the time as this is the function of the Branch.

OUTLINE

Drawing #1 shows the equipment as it now exists. Drawing #5 shows the equipment as it will be located when the proposed contract is terminated. Drawing #6 shows the location of equipment when the system is upgraded to a Multiprocessor (a period of twelve months after completion of contract). Drawings #2 through #4 describe the steps necessary to maintain the following operational equipment:

1. U-494 Processor and 196 K Memory
2. Minimum ten each VIII C servos
3. 1004 Processor
4. All drums and CTMC cabinets except for a forty-eight hour time period when the transfer switch is relocated (refer to Drawing #4).

PROCEDURE

Drawing #2: Relocate the following finds: 1, 2, 3, 4, 5. During this period the ceiling system ground plates (W and YY) should be duplicated in the area of find #37 and the following equipment should be

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PROCEDURES

Drawing #2 (Continued): removed from the room:

Finds #6, 7 stored outside the Computer Room
Finds #8, 9, 10, 11 returned to UNIVAC
Finds #12, 13, 14, 15 stored outside of Computer Room and the riser removed and the end skins installed
Finds #16 through 25 stored outside of Computer Room and the riser removed. The Branch should advise this office if power cords will be required
Finds #26, 27 stored outside of Computer Room
Finds #28, 33 stored outside of Computer Room
Remove air conditioners, clean and install ceiling, install power, raised floor, and grounding system (drawing to follow)

Drawing #3: Pre-installation marked floor cut outs
Install and test the following equipment as shown:

Finds #6, 7, 16 through 26, 28 through 33 and 71, 72, 73 (space cabinets at this time)

Drawing #4: Find #34 (transfer switch) relocate as shown
Finds #36, 37, 38, 39, 40 remove one foot spacers and relocate as shown
Finds #4, 5 return to UNIVAC
Finds #53, 54 return to UNIVAC
Finds #51, 52 store outside Computer Room
Remove riser
Finds #1, 2, 3, 35 store outside Computer Room
Finds #41 through 50 store outside Computer Room
Remove riser. Install floor, clean and install ceiling, install power and grounding system

Drawing #5: Pre-installation marked floor cut outs
Find #35 position and install
Finds #1, 27 position and install
Finds #14, 15 position and install
Finds #41 through 52 position and install

Special note should be made of the "stars" shown adjacent to the "Find number". This indicates the equipment will be located in more than one position and that additional length may be required in the power feeder.

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PROCEDURES

Drawing #6: Finds #71, 72, 73, 74 replace spacer cabinets with shared Memory Interface
Finds #36, 38 relocate as shown from Drawing #4
Finds #16 through 25, 6, 7 relocate as shown from Drawing #3
Finds #12, 13, 26, 28 relocate as shown from Drawing #3

When the power is distributed, if at all possible, the following power distribution should be adopted:

1. Two power panels, each being fed by one set of 500 MCM as it comes from the 300 KVA transformer
2. The following should be in one of the power panels:

   Finds #30, 31, 32, 38, 36, 29, 28, 35, 34, 33, 37

   All other equipment should be in the other power panel. An inquiry should be made to the customer with regards to his equipment.

I hope this is enough information to get you started.

Also included is a copy of corrected find numbers.

STATINTL

[redacted]

RJL:llk
attachments(7)

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[redacted] [redacted] AIR CONDITIONING & REFRIGERATION SUMMARY

Customer: [redacted] Date: 10/13/71

Location: WASHINGTON D.C. Field Engr: [redacted] STATINTL

FLR	QUAN	EQUIPMENT	ELECTRICAL REQUIREMENTS IN KVA								Air Conditioning Specifications			
			Hubbell Conn.	NON-REGULATED 120V, 1ø		208V, 1ø		208V, 3ø			Btu/Hr.		CFM	
				Ea.	Total	Ea.	Total	Ea.	Total		Each	Total	Each	Total
	1	444 Printer (3012)	3530					3.10	3.10		9522	9522	1320	1320
	1	SMM (T0964)	3520					1.70	1.70		4648	4648	400	400
	1	SMI (T0963)	Power Panel "4"					0.23	0.23		640	640	100	100
	1	Memory (T7005)	26520					4.00	4.00		12355	12355	1740	1740
	1	CMI (T0962)	Power Panel "8"					0.23	0.23		640	640	100	100
	1	Memory (T7005)	26520					4.00	4.00		12355	12355	1740	1740
	1	CMI (T0962)	Power Panel "8"					0.23	0.23		640	640	100	100
	1	Memory (T7005)	26520					4.00	4.00		12355	12355	1740	1740
	1	444 Printer (T3012)	3520					3.10	3.10		9522	9522	1320	1320
	1	SMM (T0964)	3520					1.70	1.70		4648	4648	400	400
	1	SMI (T0963)	Power Panel "12"					0.23	0.23		640	640	100	100
	1	Memory (T7005)	26520					4.00	4.00		12355	12355	1740	1740
	1	Console (T1004)	*52.52	0.70	0.70						1877	1877	220	220
	1	Console (T1004)	*52.52	0.70	0.70						1877	1877	220	220
	1	EC Control (T5008)	7410 B			0.75	0.75				2354	2354	500	500
	1	EC Control Aux	Power Panel "15"			0.75	0.75				2354	2354	500	500
	10	EC Servo (T0859)	7310 B			1.40	14.00				5460	54600	320	3200
	1	Transfer Switch (T2502)	3520					3.20	3.20		7320	7320	660	660
	1	EC Control (T5008)	7410 B			0.75	0.75				2354	2354	500	500
		USE ONE PORTION FOR INDICATOR PANEL.												
		Sub Totals:			1.40		21.25		29.72			153236		20545

1. Including 15% safety factor, total heat dissipation for EQUIPMENT ONLY is _____ Btu/hr.
2. Refer to MA 1390 for temperature and humidity limits.
3. [illegible] power loads from M/A in total electrical requirements to be supplied by user.

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Customer: P391 Date:

Location: Field Engr:

QUAN	EQUIPMENT	Hubbell Conn.	ELECTRICAL REQUIREMENTS IN KVA NON-REGULATED 120V, 1φ Ea.	120V, 1φ Total	208V, 1φ Ea.	208V, 1φ Total	208V, 3φ Ea.	208V, 3φ Total	Air Conditioning Specifications Btu/hr. Each	Btu/hr. Total	CFM Each	CFM Total
1	EC Control (AUX)	Power Barrier 28			.175	0.175			2354	2354	500	500
10	EC Servo (IOE59)	7310B			.190	19.00			5460	54600	320	3200
1	Pneutronic Control (IEL90)	3520					0.035	0.035	2038	2038	500	500
	[illegible]											
	Pneutronic Control 400 Hz Power	7582					0.40	0.40	—	—	—	—
1	7.5 E Hydrolic Brute	3330			.118	1.18			3242	3242	830	830
1	Pneutronic Control (IEL90)	3520					0.035	0.035	2038	2038	500	500
0	Pneutronic Control 400 Hz Power	7582					0.40	0.40	—	—	—	—
1	7.5 E. Hydrolic Brute	3330			.170	1.70			5100	5100	300	300
1	Pneutronic Control (IEL90)	3520					0.035	0.035	2038	2038	500	500
	Pneutronic Control 400 Hz Power	7582					0.40	0.40	—	—	—	—
1	7.5 E Hydrolic Brute	3330			.170	1.70			5100	5100	300	300
1	Loop Processor (IE90)	7310B			3.60	3.60			8500	8500	435	435
1	Loop Processor (IE90A)	7310B			3.60	3.60			8500	8500	435	435
1	Pump (IE009)	7310B			2.10	2.10			3500	3500	325	325
1	Resolver T 2005	26520					4.00	4.00	12355	12355	1740	1740
1	Resolver T 2005	26520					4.00	4.00	12355	12355	1740	1740
1	VIC Servo Master	3330	Use existing		1.78				5800	5800	230	230
1	VIC Servo Slave		Power		1.16	1.16			3700	3700	230	230
				1.40		26.25	24.72	29.72		133 336		20 845
	Totals:			1.40		54.88		31.97		250 296		28653

Use Leavey find no. to corelate drawings & not included in totals

1. Including 15% safety factor.
2. Refer to MA 1380 for temperature and humidity limits.

287 782 Btu/hr.

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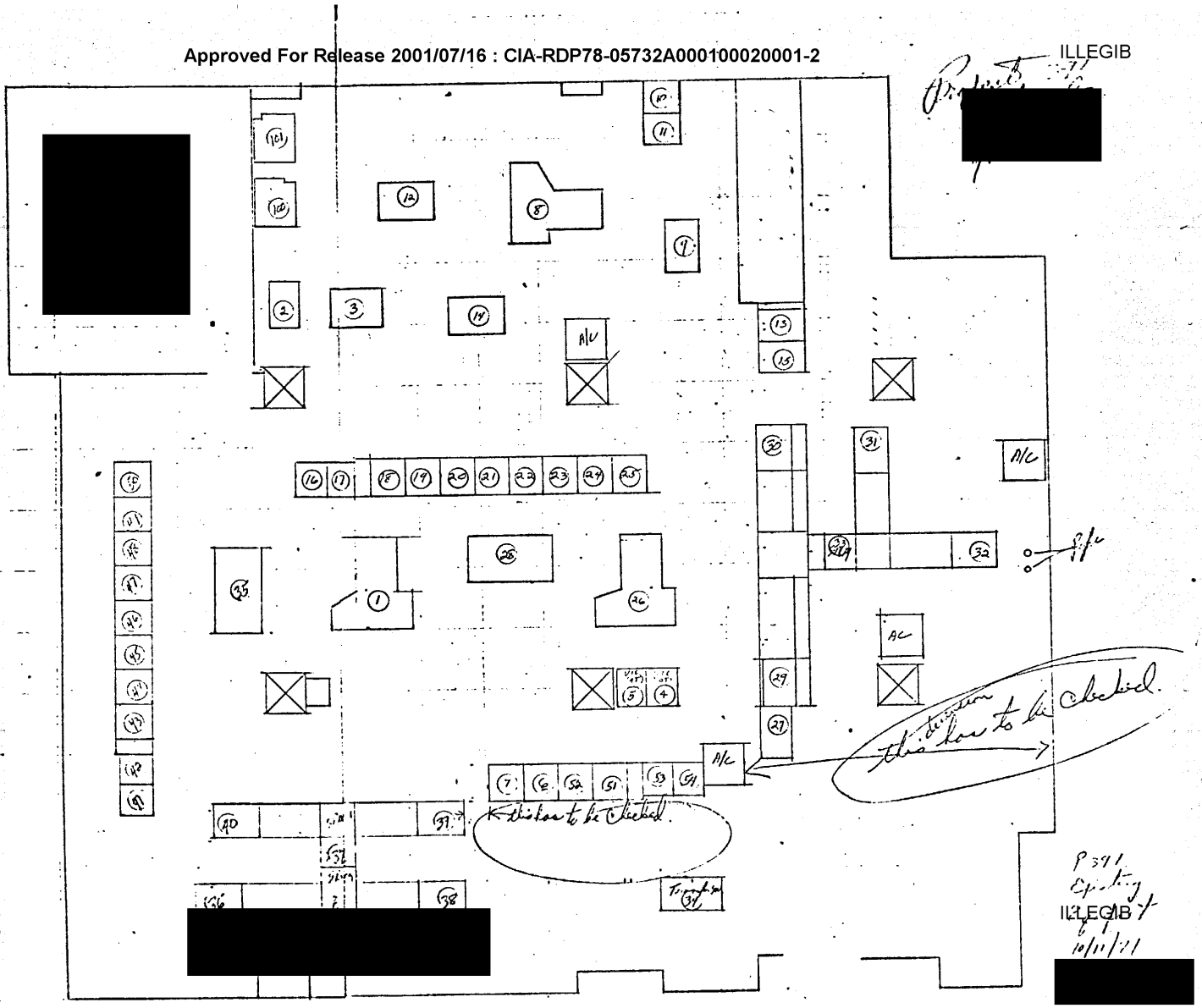

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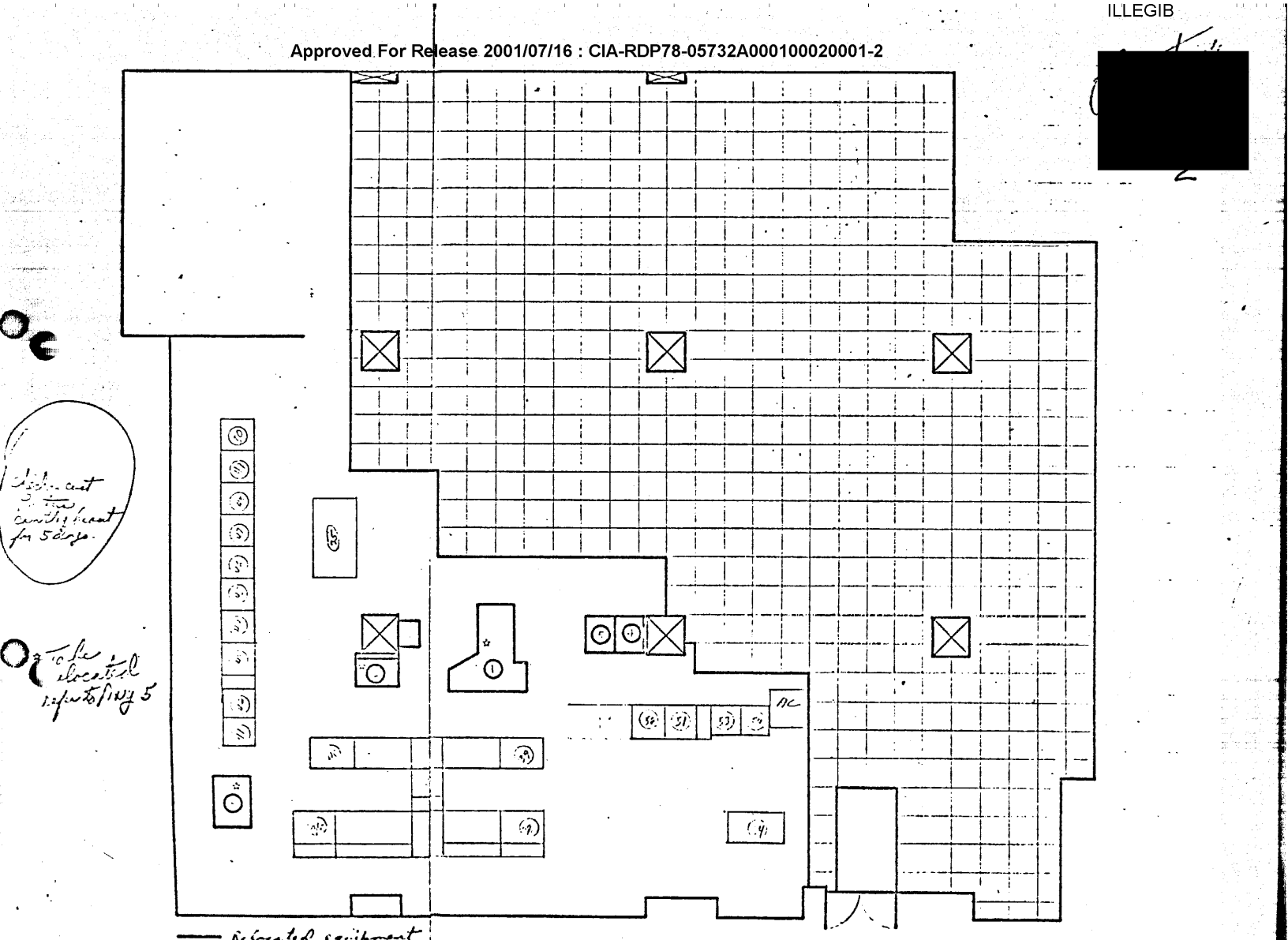

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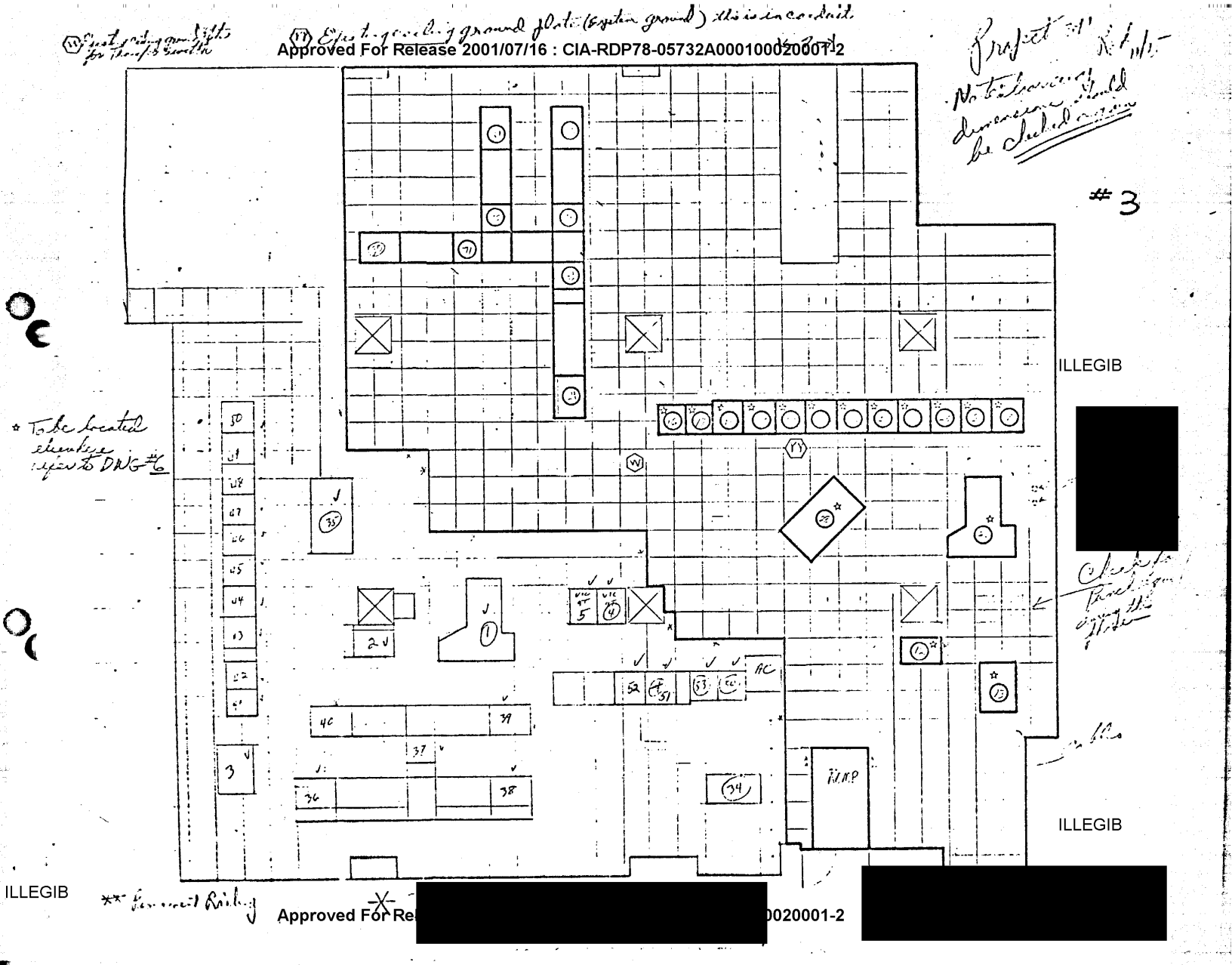
(W) Front grd. lights for temp. bench
(YY) Equip. grounding ground plate (system ground) this is in conduit
Project #1 Kit #1
No tolerances shall be scaled on this
#3
ILLEGIB
* To be located elsewhere refer to DWG #6
(W)
(YY)
Check to see if this is on the drawing
ILLEGIB
ILLEGIB
** Terminal Strip
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Project 41
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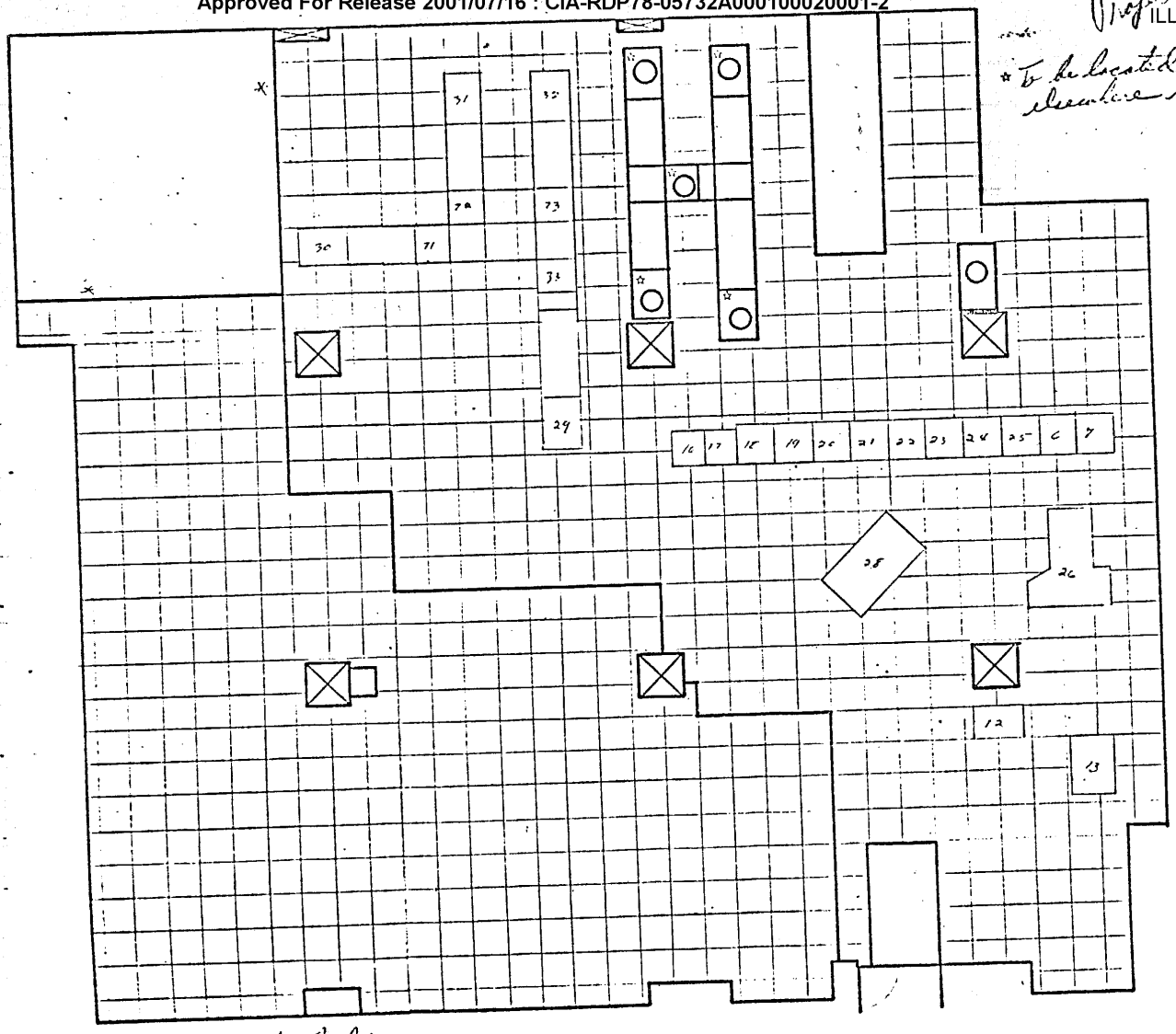
* To be located
[redacted]

#4



* [illegible]

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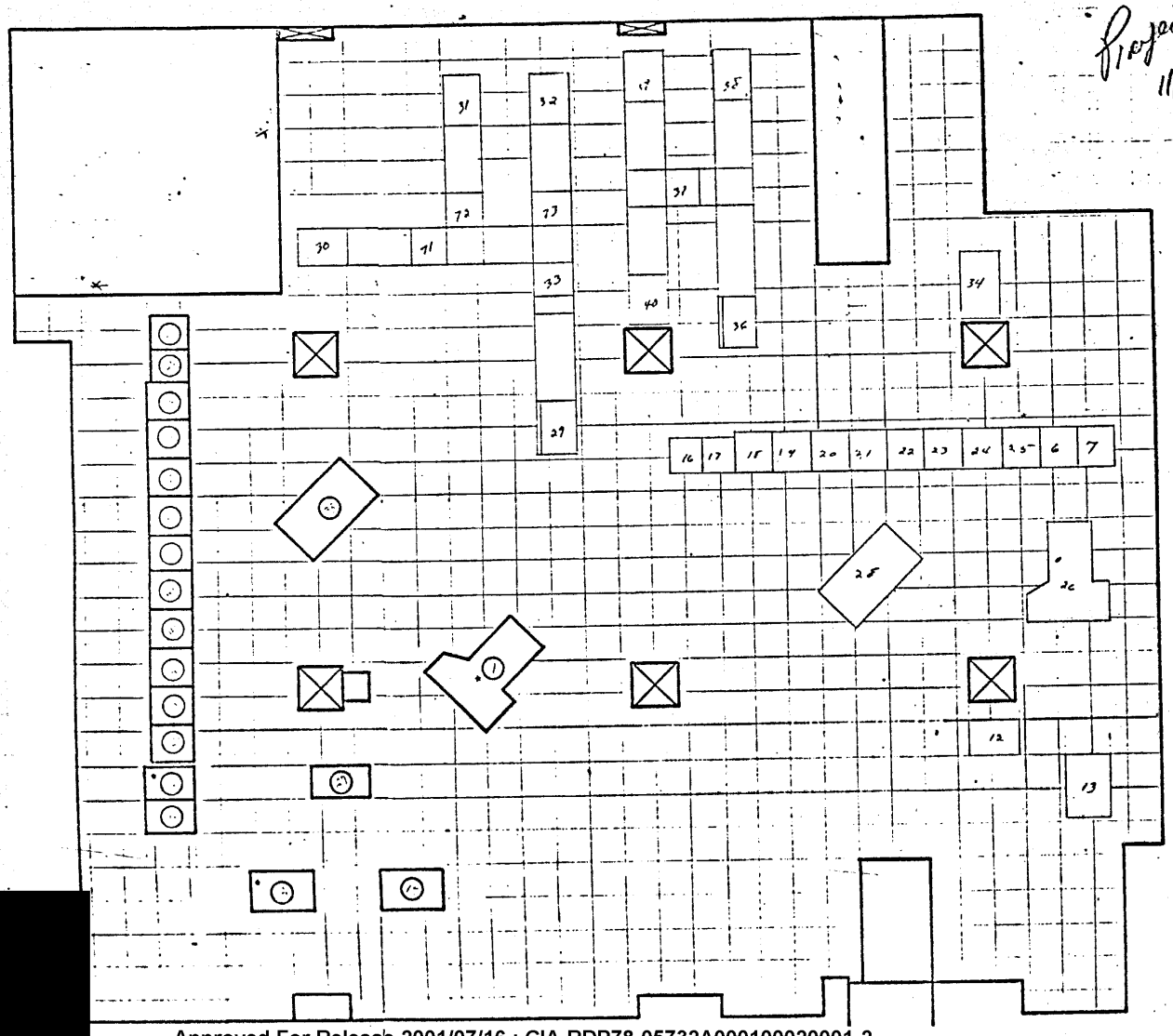
Project 391
11/16 Tkl

#5



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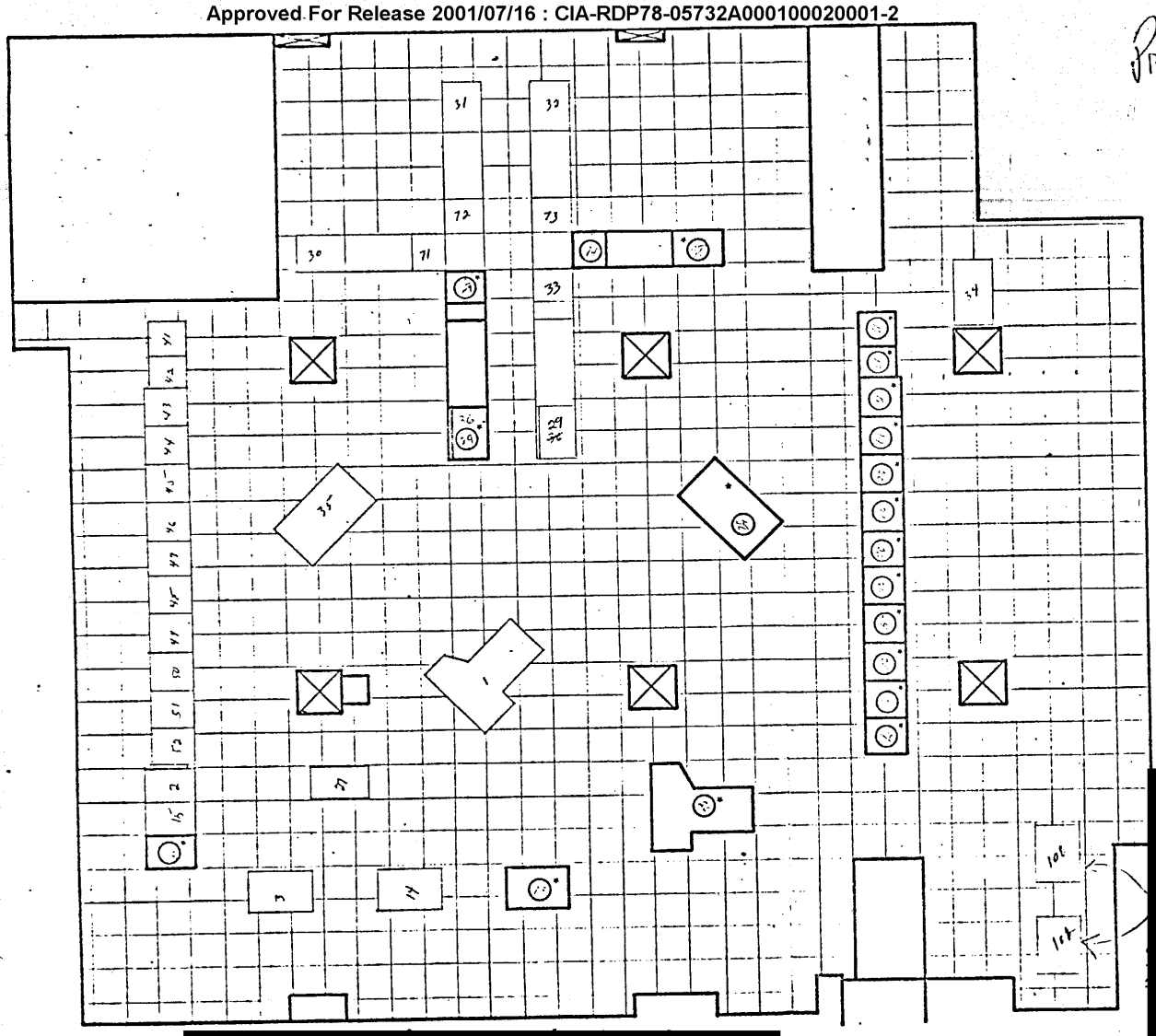
Project 31
1115 N.

#6



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